Elizabeth E Rogers

List of Publications by Year
in descending order

42 papers	4,437 citations	331670 21 h-index	289244 40 g-index
42 all docs	42 docs citations	42 times ranked	4503 citing authors

#	Article	IF	Citations
1	The FRD3-Mediated Efflux of Citrate into the Root Vasculature Is Necessary for Efficient Iron Translocation. Plant Physiology, 2007, 144, 197-205.	4.8	525
2	Isolation of Arabidopsis Mutants With Enhanced Disease Susceptibility by Direct Screening. Genetics, 1996, 143, 973-982.	2.9	520
3	Altered selectivity in an Arabidopsis metal transporter. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 12356-12360.	7.1	436
4	Genomic scale profiling of nutrient and trace elements in Arabidopsis thaliana. Nature Biotechnology, 2003, 21, 1215-1221.	17.5	407
5	Phytoalexin-Deficient Mutants of Arabidopsis Reveal That <i>PAD4</i> Encodes a Regulatory Factor and That Four <i>PAD</i> Genes Contribute to Downy Mildew Resistance. Genetics, 1997, 146, 381-392.	2.9	332
6	FRD3, a Member of the Multidrug and Toxin Efflux Family, Controls Iron Deficiency Responses in Arabidopsis. Plant Cell, 2002, 14, 1787-1799.	6.6	311
7	FRD3 Controls Iron Localization in Arabidopsis. Plant Physiology, 2004, 136, 2523-2531.	4.8	254
8	Correlation of defense gene induction defects with powdery mildew susceptibility inArabidopsisenhanced disease susceptibility mutants. Plant Journal, 1998, 16, 473-485.	5.7	232
9	Arabidopsis enhanced disease susceptibility mutants exhibit enhanced susceptibility to several bacterial pathogens and alterations in PR-1 gene expression.. Plant Cell, 1997, 9, 305-316.	6.6	227
10	The Arabidopsis AtOPT3 Protein Functions in Metal Homeostasis and Movement of Iron to Developing Seeds. Plant Physiology, 2008, 146, 323-324.	4.8	225
11	Regulation of growth response to water stress in the soybean primary root. I. Proteomic analysis reveals regionâ€specific regulation of phenylpropanoid metabolism and control of free iron in the elongation zone. Plant, Cell and Environment, 2010, 33, 223-243.	5.7	158
12	Mode of Action of the<i>Arabidopsis thaliana</i>Phytoalexin Camalexin and Its Role in<i>Arabidopsis-Pathogen</i>Interactions. Molecular Plant-Microbe Interactions, 1996, 9, 748.	2.6	139
13	USE OF ARABIDOPSIS FOR GENETIC DISSECTION OF PLANT DEFENSE RESPONSES. Annual Review of Genetics, 1997, 31, 547-569.	7.6	136
14	Purification and characterization of multiple forms of the pineapple-stem-derived cysteine proteinases ananain and comosain. Biochemical Journal, 1994, 301, 727-735.	3.7	105
15	Two MATE proteins play a role in iron efficiency in soybean. Journal of Plant Physiology, 2009, 166, 1453-1459.	3.5	56
16	<i>Rathayibacter toxicus</i>, Other <i>Rathayibacter</i> Species Inducing Bacterial Head Blight of Grasses, and the Potential for Livestock Poisonings. Phytopathology, 2017, 107, 804-815.	2.2	39
17	Concerning the formation and the kinetics of phenylium ions. International Journal of Mass Spectrometry and Ion Processes, 1989, 92, 65-77.	1.8	34
18	Toxin-antitoxin systems mqsR/ygiT and dinJ/relE of Xylella fastidiosa. Physiological and Molecular Plant Pathology, 2014, 87, 59-68.	2.5	29

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19	Differential Susceptibility of Prunus Germplasm (Subgenus Amygdalus) to a California Isolate of Xylella fastidiosa. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 1928-1931.	1.0	28
20	<i>Xylella fastidiosa</i> Plasmid-Encoded PemK Toxin Is an Endoribonuclease. Phytopathology, 2012, 102, 32-40.	2.2	25
21	Direct Evidence of Egestion and Salivation of <i>Xylella fastidiosa</i> Suggests Sharpshooters Can Be â€œFlying Syringesâ€. Phytopathology, 2015, 105, 608-620.	2.2	25
22	ArabidopsiscpFtsYmutants exhibit pleiotropic defects including an inability to increase iron deficiency-inducible root Fe(III) chelate reductase activity. Plant Journal, 2006, 47, 467-479.	5.7	23
23	A Conjugative 38 kB Plasmid Is Present in Multiple Subspecies of Xylella fastidiosa. PLoS ONE, 2012, 7, e52131.	2.5	23
24	Anterior Foregut Microbiota of the Glassy-Winged Sharpshooter Explored Using Deep 16S rRNA Gene Sequencing from Individual Insects. PLoS ONE, 2014, 9, e106215.	2.5	23
25	Plasmids of Xylella fastidiosa mulberry-infecting strains share extensive sequence identity and gene complement with pVEIS01 from the earthworm symbiont Verminephrobacter eiseniae. Physiological and Molecular Plant Pathology, 2010, 74, 238-245.	2.5	19
26	Translatome Profiling of Plum Pox Virusâ€“Infected Leaves in European Plum Reveals Temporal and Spatial Coordination of Defense Responses in Phloem Tissues. Molecular Plant-Microbe Interactions, 2020, 33, 66-77.	2.6	17
27	Functional Characterization of Replication and Stability Factors of an Incompatibility Group P-1 Plasmid from <i>Xylella fastidiosa</i>. Applied and Environmental Microbiology, 2010, 76, 7734-7740.	3.1	14
28	Whole genome sequence of two Rathayibacter toxicus strains reveals a tunicamycin biosynthetic cluster similar to Streptomyces chartreusis. PLoS ONE, 2017, 12, e0183005.	2.5	13
29	Evolution of the U.S. Biological Select Agent Rathayibacter toxicus. MBio, 2018, 9, .	4.1	10
30	Evaluation of Arabidopsis thaliana as a Model Host for Xylella fastidiosa. Molecular Plant-Microbe Interactions, 2012, 25, 747-754.	2.6	8
31	Deep 16S rRNA gene sequencing of anterior foregut microbiota from the blueâ€green sharpshooter (<i>Graphocephala atropunctata</i>). Journal of Applied Entomology, 2016, 140, 801-805.	1.8	7
32	Dynamic changes impact the plum pox virus population structure during leaf and bud development. Virology, 2020, 548, 192-199.	2.4	7
33	Grapevine phenolic compounds influence cell surface adhesion of Xylella fastidiosa and bind to lipopolysaccharide. PLoS ONE, 2020, 15, e0240101.	2.5	6
34	Susceptibility to Xylella fastidiosa in a First-generation Hybrid from a non-traditional Peachâ€“Almond Cross. Hortscience: A Publication of the American Society for Hortcultural Science, 2015, 50, 337-340.	1.0	6
35	Complete Genome Sequence of Rathayibacter toxicus Phage NCPPB3778. Genome Announcements, 2017, 5, .	0.8	4
36	Immunoreagents for development of a diagnostic assay specific for <i>Rathayibacter toxicus</i>. Food and Agricultural Immunology, 2020, 31, 231-242.	1.4	3

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37	The Identification and Conservation of Tunicaminyluracil-Related Biosynthetic Gene Clusters in Several Rathayibacter Species Collected From Australia, Africa, Eurasia, and North America. Frontiers in Microbiology, 2019, 10, 2914.	3.5	3
38	Iron Acquisition in Plants. , 2002, , .		3
39	Partial Proteome of the Corynetoxinâ€Producing Gramâ€Positive Bacterium, Rathayibacter toxicus. Proteomics, 2018, 18, 1700350.	2.2	2
40	Viral Reservoir Capacity of Wild <i>Prunus</i> Alternative Hosts of Plum Pox Virus Through Multiple Cycles of Transmission and Dormancy. Plant Disease, 2022, 106, 101-106.	1.4	1
41	Role of FRD3 in Iron Translocation and Homeostasis. , 2006, , 327-339.		1
42	Insights regarding resistance of â€˜Nemaguardâ€™ rootstock to the bacterium Xylella fastidiosa. Plant Disease, 2022, , .	1.4	1